

ABSTRACT

A transparent assembly locatable in a building surface having a rebate is described. The assembly has a transparent panel and one or more high tensile strength flexible material reinforcement pieces extending laterally from the panel to provide non-rigid attachment of the assembly to a subframe and/or wall, wherein the attachment allows movement of the assembly within the rebate. By direct but non-rigid attachment of the transparent assembly, generally a window, to the subframe and/or wall, any weakness in the impact-resistance of the assembly because of weakness and/or damage to the frame is avoided. The non-rigid nature of the attachment allows it to absorb much of the blast loading. This allows a large load on the transparent assembly to be supported by the subframe and/or wall. The present invention also provides a number of ballistic-resistant and blast-resistant assemblies providing protection against much higher levels of protection from high velocity weapons and explosives.